

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035343.D
 Acq On : 22 Oct 2019 00:38
 Operator : JC/SP
 Sample : K5458-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K28

Quant Time: Oct 22 07:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 06:40:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	289778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	286693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	103904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	120906	6.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.80%#
7) Chloroethane-d5	1.93	69	105611	6.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.80%#
11) 1,1-Dichloroethene-d2	2.59	63	162789	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.70	46	268132	52.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.11	84	195139	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.80%
26) 1,2-Dichloroethane-d4	5.75	65	107343	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
32) Benzene-d6	5.77	84	398359	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.60%
36) 1,2-Dichloropropane-d6	6.74	67	129293	6.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.20%
41) Toluene-d8	7.93	98	353442	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
43) trans-1,3-Dichloropropene-	8.21	79	48261	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.69	63	213794	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100599	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	111718	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

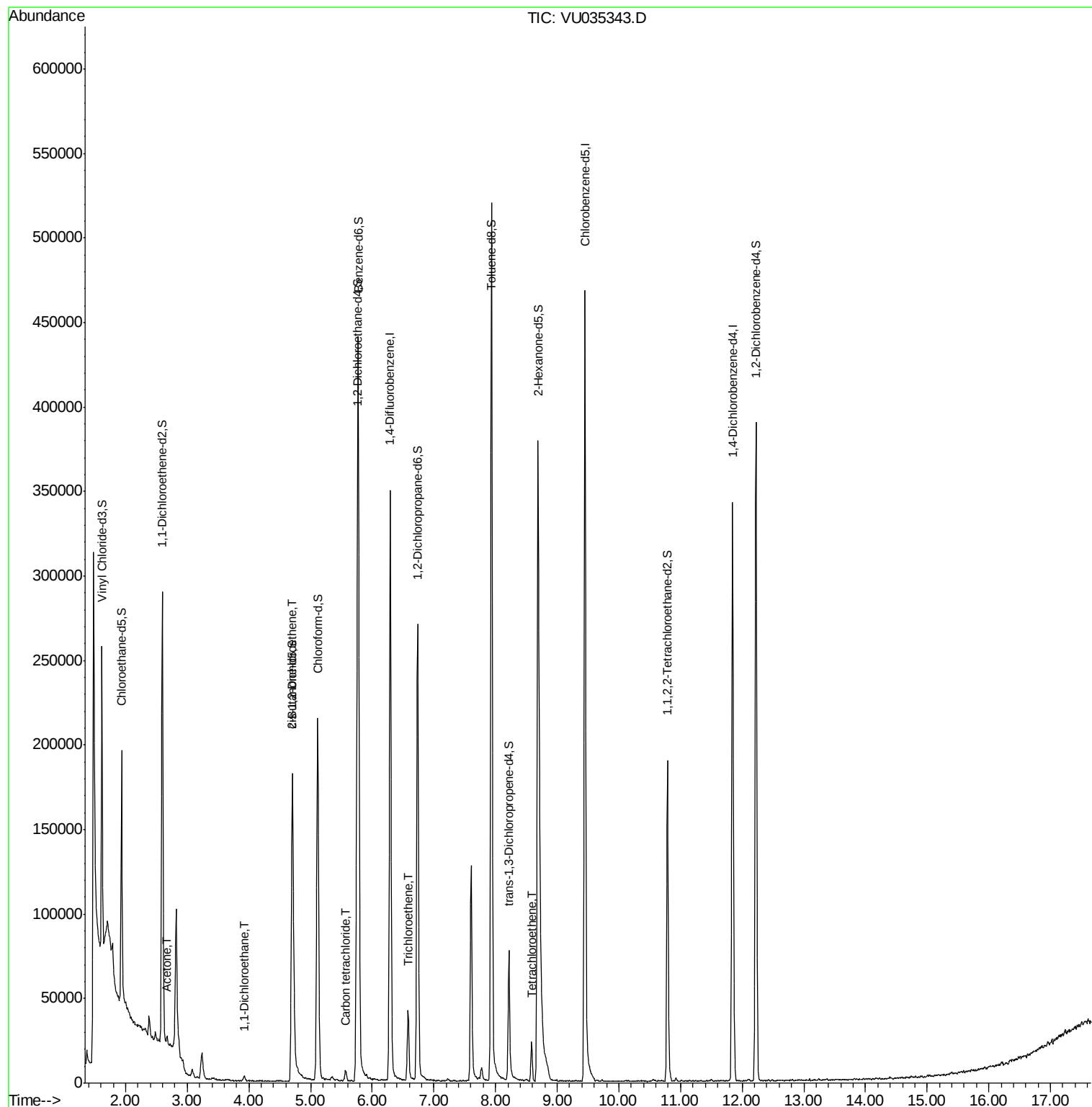
					Ovalue
13) Acetone	2.67	43	5376	1.522 ug/L	89
19) 1,1-Dichloroethane	3.93	63	3350	0.092 ug/L	90
22) cis-1,2-Dichloroethene	4.72	96	6580	0.296 ug/L	97
31) Carbon tetrachloride	5.57	117	4149	0.137 ug/L	98
34) Trichloroethene	6.58	95	14298	0.630 ug/L	95
47) Tetrachloroethene	8.59	164	5409	0.286 ug/L	95

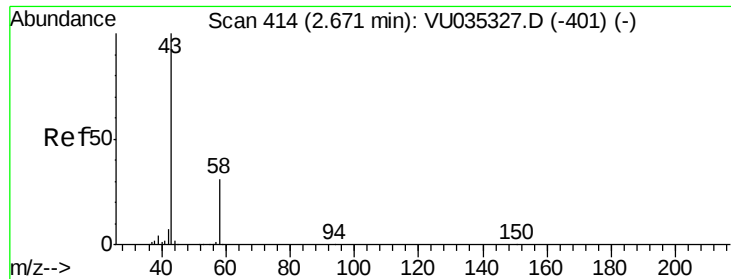
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.522 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

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Acq: 22 Oct 2019 00:38

Instrument :

MSVOA_U

ClientSampleId :

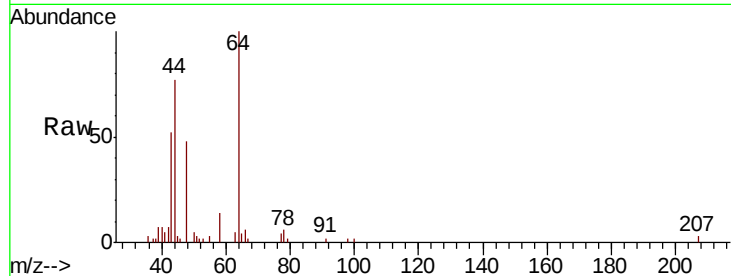
C0K28

Tot Ion: 43 Resp: 5376

Ion Ratio Lower Upper

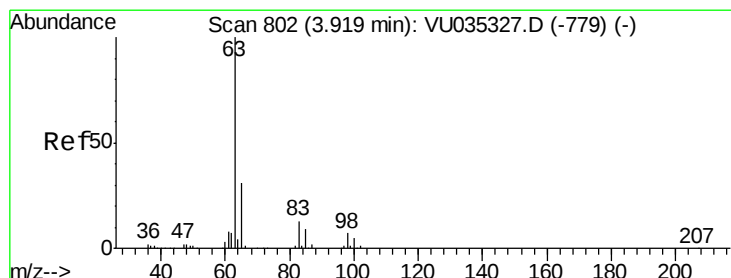
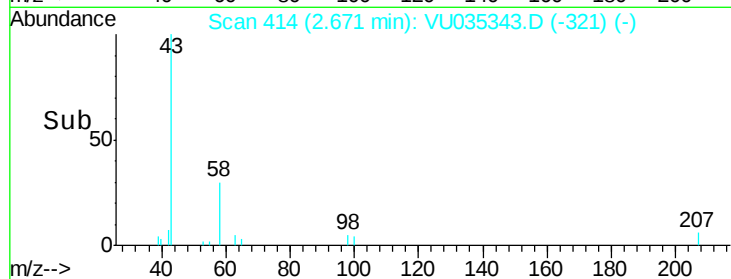
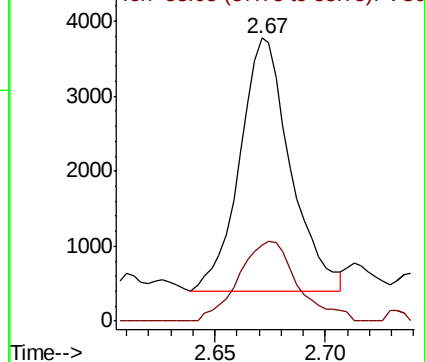
43 100

58 37.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.092 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.01 min

Lab File: VU035343.D

Acq: 22 Oct 2019 00:38

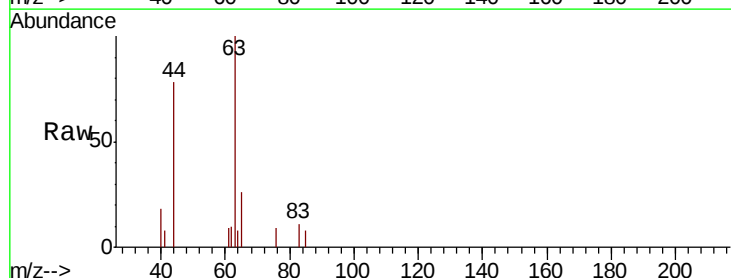
Tgt Ion: 63 Resp: 3350

Ion Ratio Lower Upper

63 100

65 25.5 22.4 41.6

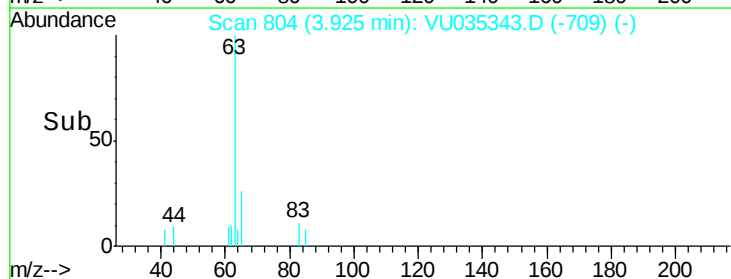
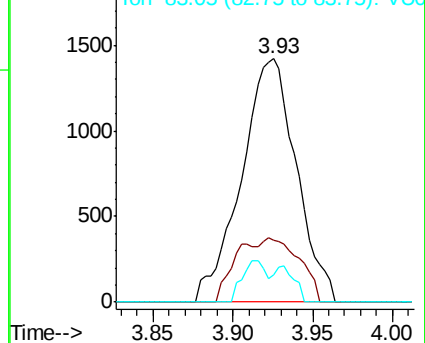
83 11.1 9.3 17.3

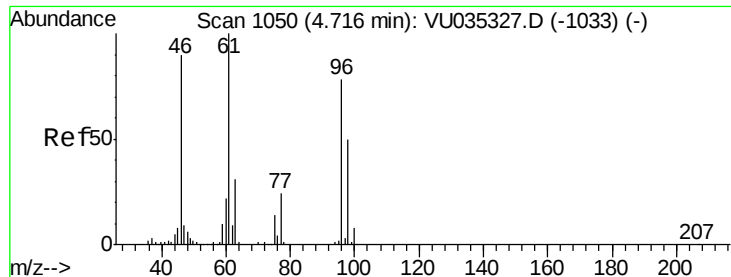


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.296 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035343.D

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Instrument :

MSVOA_U

ClientSampleId :

C0K28

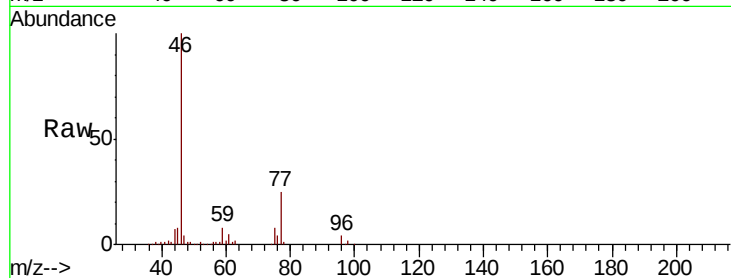
Tot Ion: 96 Resp: 6580

Ion Ratio Lower Upper

96 100

61 132.0 89.7 166.5

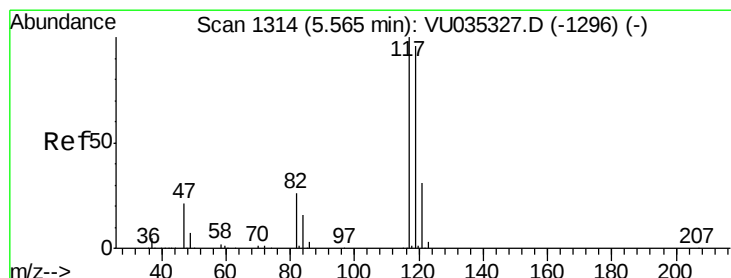
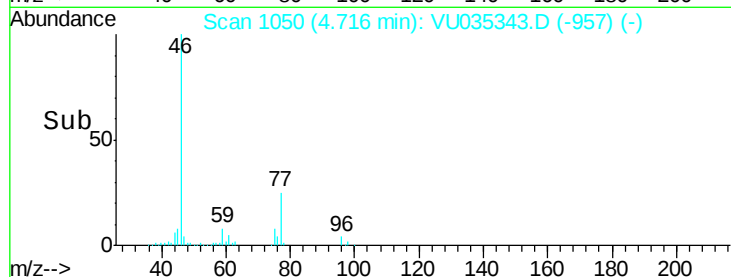
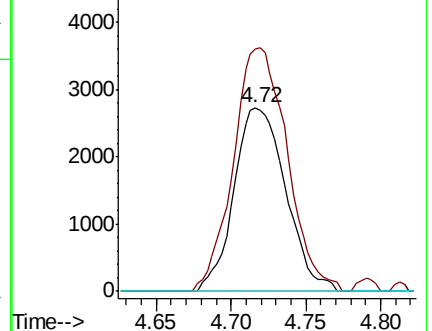
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035343.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035343.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035343.D (-957) (-)



#31

Carbon tetrachloride

Concen: 0.137 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU035343.D

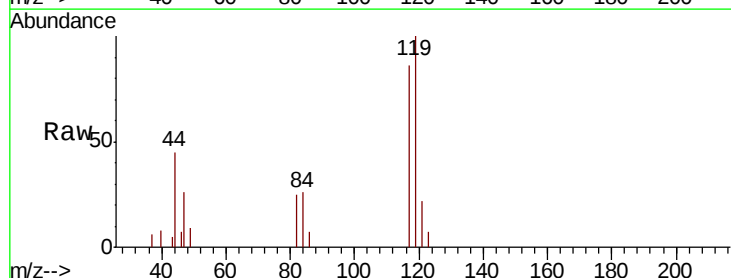
Acq: 22 Oct 2019 00:38

Tgt Ion: 117 Resp: 4149

Ion Ratio Lower Upper

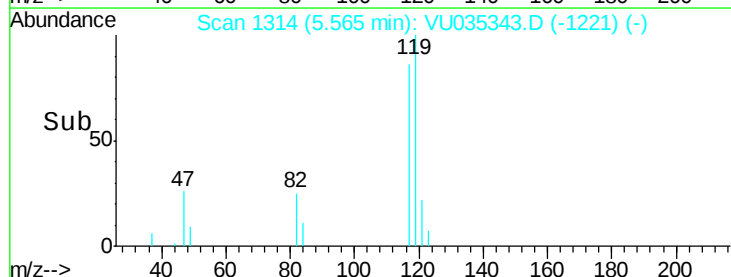
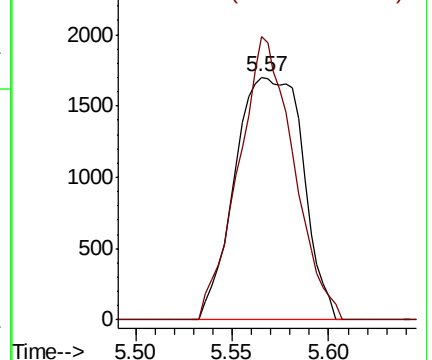
117 100

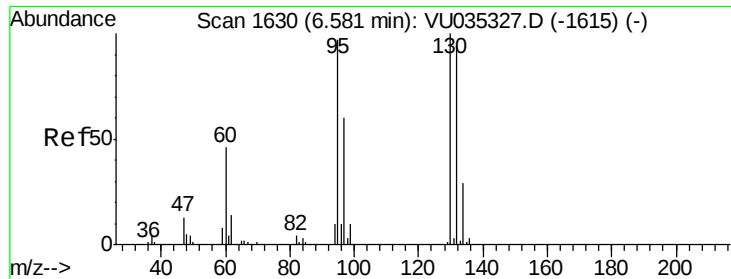
119 94.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): VU035343.D (-1221) (-)

Ion 118.90 (118.60 to 119.60): VU035343.D (-1221) (-)

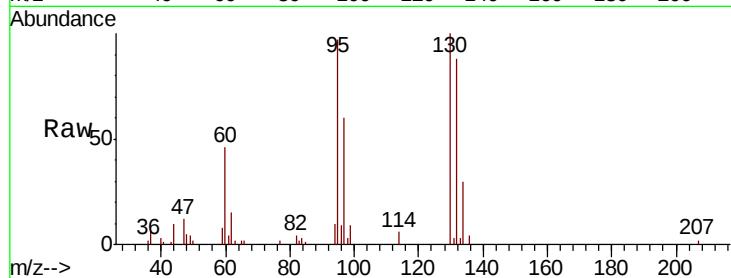




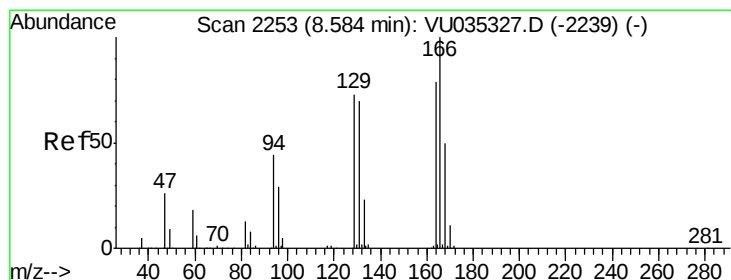
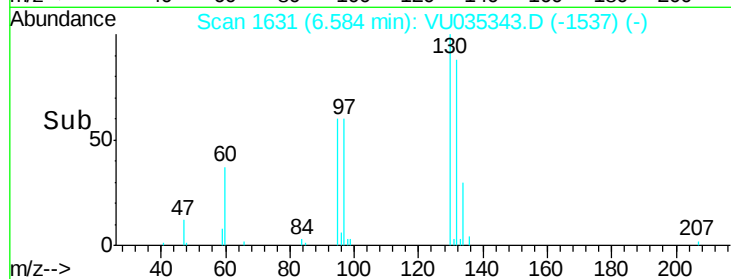
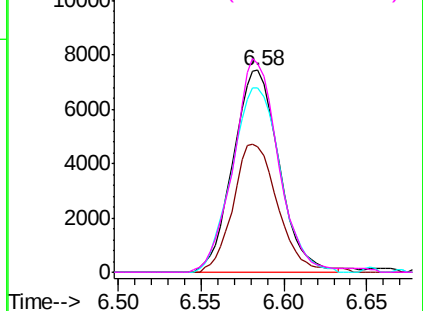
#34
 Trichloroethene
 Concen: 0.630 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035343.D
 Acq: 22 Oct 2019 00:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K28

Tot Ion:	95	Resp:	14298
Ion	Ratio	Lower	Upper
95	100		
97	61.8	46.6	86.6
132	91.1	68.7	127.7
130	103.5	73.9	137.3

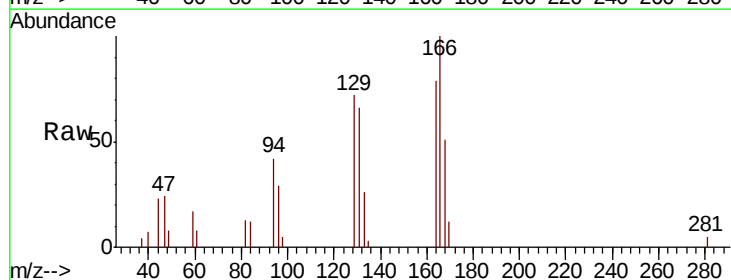


Abundance Ion 95.00 (94.70 to 95.70): VU035327.D (-1615) (-)
 Ion 96.95 (96.65 to 97.65): VU035327.D (-1615) (-)
 Ion 131.95 (131.65 to 132.65): VU035327.D (-1615) (-)
 Ion 129.95 (129.65 to 130.65): VU035327.D (-1615) (-)



#47
 Tetrachloroethene
 Concen: 0.286 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035343.D
 Acq: 22 Oct 2019 00:38

Tgt Ion:	164	Resp:	5409
Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.2	121.0
131	83.0	62.9	116.9
166	126.1	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035327.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035327.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035327.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035327.D (-2239) (-)

